

Newsletter, September 2011

-----

If you would like to join the COST Plasmonics working groups meeting at Chalmers, Thursday Sept. 22, <http://www.chalmers.se/en/conference/nss2011/Pages/COST-Plasmonics.aspx>, Please, create and account (if you don't have one) at <https://e-services.cost.eu> AND send the note to [alexnd@chalmers.se](mailto:alexnd@chalmers.se).

You'll be reimbursed for your travel, two days of accommodation (EUR 120/night flat rate), meals and local transport.

-----

Joint call for STSM (Short Term Scientific Missions) together with our partner network - COST Action MP0702: Towards Functional Sub-Wavelength Photonic Structures (<http://cost-mp0702.nit.eu/cost-mp0702>). We would like to specifically support the visits between partners of both networks - as usual with STSM, if you plan a short (up to 3 months) visit to the partners lab - this is the instrument. Documents to be submitted to STSMs Coordinator Dorota Pawlak: [Dorota.Pawlak@itme.edu.pl](mailto:Dorota.Pawlak@itme.edu.pl):

- CV of the applicant
- Acceptance letter of the host
- Work plan
- On-line application (for the form - please, contact Dorota)

Partners of MP0702, working with plasmonics: <http://cost-mp0702.nit.eu/cost-mp0702/working-group-1>.

#### Papers

Large molecular fluorescence enhancement by a nanoaperture with plasmonic corrugations  
H. Aouani, O. Mahboub, E. Devaux, H. Rigneault, T. W. Ebbesen, and J. Wenger

Opt. Exp. 19, 13056 (2011)

<http://www.opticsinfobase.org/abstract.cfm?uri=oe-19-14-13056>

Plasmonic Nanobilliards: Controlling Nanoparticle Movement Using Forces Induced by Swift Electrons

P. E. Batson, A. Reyes-Coronado, R. G. Barrera, A. Rivacoba, P. M. Echenique, and J. Aizpurua

Nano Lett. 11, 3388 (2011)

<http://pubs.acs.org/doi/abs/10.1021/nl201795u>

Graphene Plasmonics: A Platform for Strong Light\_Matter Interactions

F. H. L. Koppens, D. E. Chang, and F. J. García de Abajo

Nano Lett. 11, 3370 (2011)

<http://pubs.acs.org/doi/abs/10.1021/nl201771h>

Laser Fabrication of Large-Scale Nanoparticle Arrays for Sensing Applications

A. I. Kuznetsov, A. B. Evlyukhin, M. R. Goncalves, C. Reinhardt, A. Koroleva, M. L. Arnedillo, R. Kiyam, O. Marti, and B. N. Chichkov

ACS Nano 5, 4843 (2011)

<http://pubs.acs.org/doi/abs/10.1021/nn2009112>

Strong plasmonic enhancement of photovoltage in graphene

T.J. Echtermeyer, L. Britnell, P.K. Jasnós, A. Lombardo, R.V. Gorbachev, A.N. Grigorenko, A.K. Geim, A.C. Ferrari<sup>1</sup> & K.S. Novoselov

Nat. Comm. 2:458, DOI: 10.1038/ncomms1464 (2011)

<http://www.nature.com/ncomms/journal/v2/n8/full/ncomms1464.html>

#### Jobs

PhD / Postdoc position - Nano-Optics / Nanobiophotonics group, University of Muenster,

Germany

Further info: [http://www.uni-muenster.de/Physik.PI/Fuchs/available\\_positions/available\\_positions.html](http://www.uni-muenster.de/Physik.PI/Fuchs/available_positions/available_positions.html))

Contact: Christiane Hoepfener, [christiane.hoepfener@wwu.de](mailto:christiane.hoepfener@wwu.de)

#### Events

SPIE Photonics Europe 2012

16 - 20 April 2012, Brussels, Belgium

Abstracts submission: November 7 2011

<http://spie.org/photonics-europe.xml>

E-MRS Spring 2012

May 14-18, Strasbourg, France

Abstracts submission: January 12 2012

[http://www.emrs-strasbourg.com/index.php?option=com\\_content&task=view&id=428&Itemid=160](http://www.emrs-strasbourg.com/index.php?option=com_content&task=view&id=428&Itemid=160)

Symposium N: Control of light at the nanoscale: materials, techniques and applications

[http://www.emrs-strasbourg.com/index.php?option=com\\_content&task=view&Itemid=132&id=481](http://www.emrs-strasbourg.com/index.php?option=com_content&task=view&Itemid=132&id=481)

Symposium O: Applied Nanoplasmonics: Nanoplasmonic Functional Materials and Devices

[http://www.emrs-strasbourg.com/index.php?option=com\\_content&task=view&Itemid=132&id=480](http://www.emrs-strasbourg.com/index.php?option=com_content&task=view&Itemid=132&id=480)